

## **FIGURE 28**

></usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA45234

><subunit 1 of 1, 453 aa, 1 stop

><MW: 49334, pI: 6.32, NX(S/T): 1

MGENDPPAVEAPFSFRSLFGLDDLKISPVAPDADAVAAQILSLLPLKFFPIIVIGIIALILA  
LAIGLGIHFDCSGKYRCRSSFKCIELIARCDGVSDCKDGEDEYRCVVRVGGQNAVLQVFTAAS  
WKTMCSDDWKGHYANVACAQLGFPSYVSSDNLRVSSLEGQFREEFVSIDHLLPDDKV TALHH  
SVYVREGCASGHVVTLQCTACGHRRGYSSRIVGNGMSLLSQWPWQASLQFQGYHLCGGSVIT  
PLWIITAAHCVDLYLPKSWTIQVGLVSLLDNPAPSHLVEKIVYHSKYKPKRLGNDIALMKL  
AGPLTFNEMIQPVCLPNSEENFPDGKVCWTSGWGATEDGGDASPVLNHAAVPLISNKICNHR  
DVYGGIISPSMLCAGYLTGGVDSCQGDSCGGPLVCQERRLWKLVGATSF GIGCAEVNKP G VYT  
RVT SFLDWIHEQMERDLKT

### **Signal Peptide:**

amino acids 1-20

### **Transmembrane domain:**

amino acids 240-284

# FIGURE 29

CCCACGCGTCCGTCCTAGTCCCOCGGGCCAACTCGGACAGTTTGTCTCATTTATTTCGAACGGTCAAGGCTGGCTTGT  
 GCCAGAACGGCCGCGCGCGCGCACGACGACACACACGCGGGGGAACCTTTTTTAAAAATGAAGGCTAGAGAAG  
 GCTCAGCGGCGCGCGCGCGCGCTCGCGGAGGCTCGCGAGCTGACTCGCCGAGGCGAGAAATCCCTCCGGTTCGCGA  
 GCTCCGCGCCCGGGTCTCGCGCGCCGCGTGGAGTGGTGCAGCGCTCGCCGCGGGCCGAGAGCTGCTGCATCTGAAG  
 GCGCGCGACGATGGCAGCGCGCGCGCTGCGCGTGTCCCCCGCCGCGCCCTCTGTCTCGCCCTGGCGGGTGTCTCT  
 GCTGCGCCCTCGCAGGCCGAGGGGTGAGCTTATGGAAACCAAGGAAGAGCTGATGAAGTTGTTCAGTGCCCTCTGT  
 TCAGATGGGGAACCTCTGGATCCAGTGAAGAGCTTCGACTTCAAGAAATCATCCAGAAGTGTGCAATTTTCGACT  
 ACAACGGGAAAGCAAGAACTGATCATAAATCTGGAAAGAAATGAAGGTCTCATTTGCCAGCAGTTTCACGGAAC  
 CCATATCTTCAGAGACCGTACTGATGTCTCCCTCGCTCGAAATTCACGCGGTCTAGTTCATCCATGGACATGT  
 ACGGGGATATTTCTGATTACAGCAGTCAGTCTCAGCAGCTGTTCTGCTTCGAGGAGCTTATTTGTGTTTGAATATGA  
 AAGCTATGTCTTAGAACCAATGAAGAAGTGCAACCAACAGATACAAACTCTTCCAGCGAGAAGCTGAAAAGCGT  
 CCGGGGATCATGTGATCATACACAACACCAAACTCGCTGCAAGAAATGTGTTTCCACCAACCTCTCAGAC  
 ATGGGCAAGAGGCTATAAAGAGAGACCCCTCAAGGCACTAAGTATGTGGAGCTGGTGATCGTGGCAGACAAACG  
 AGAGTTTCAGAGGCAAGGAAAGATCTGGAAAAGTTAAGCAGCGATTAAAGAGATGTCTAATCAGTTGACAA  
 GTTTTACAGACCACTGAACTTCGGATCGTGTGGTAGGCGTGGAAAGTGTGGAATGACATGGACAAATGCTCTGT  
 AAGTCAGGACCCATTACACAGCCTCCATGAATTTCTGAGCTGGAGGAAGATGAAGCTTCTACCTCGCAAAATCCCA  
 TGACAATGCGCAGCTTGTTCAGTGGGGTTATTTTCCAAGGGACCACTCGGCGATGGCCCCAATCATGAGCATGTG  
 CACGCGCAGACCAAGTCTGGGGGAATTTGCTATGAGCACTTCAGACAATCCCTTGGTGCAGCCGTGACCTGGCACA  
 TGAGCTGGGCCCAAAATTTTCGGGATGAATCATGACACACTGGACAGGGGCTGTAGCTGTCAAAATGGCGGTGTGAGAA  
 AGGAGGCTGCATCATGAACGCTTTCACCGGTAACCACTTCCATGGTGTTCAGCAGTTGACAGGAAAGGACTT  
 GGAGACCAAGCTGGAGAAAGGAATGGGGGTGTGCTGTAACTTCGCGGAAGTCAGGGAGTCTTTTCGGGGGCCA  
 GAAGTGTGGGAACAGATTTGTGGAAGAGGAGAGGAGTGTGACTGTGGGGAGGCGAGAGGAATGTATGAATGCTGCT  
 CTGCAATGCCACCACTGTACCTGAAGCCGAGCGCTGTGTGCGCACATGGGCTGTGCTGTGAAGATCATGCAGCT  
 GAAGCCTGCAGGAACAGCGTGCAGGGACTCTCAGCACTCTCTGTGACCTCCAGGATTTCTGCAGCGGGGCCAGCC  
 TCACTGCCAGGCAATGTGTACCTGCAGATGGGCACTCATGTCCAGGATGTGAGCGGTACTCAGCAATGTGACT  
 CTGCCAGACTCAGGAGCAGTGTGTGCAGCTCTGGGGACCAAGTGTCTAAACCTGCCCTGGGATCTGCTTTGA  
 GAGAGTCAATTCAGAGGTGATCCTTATGCAACTGTGGCAAGTCTGGAAGAGTCTCTTGGCCAATGCGAGT  
 GAGAGATGCAAAATGTGGAAAAATCCAGTGTCAAGAGGTCGACGCGGGCAGTCTTATGGTACCAATGCGGTTC  
 CATAGAAACAAATCTCCCTCTGCACAAGGAGGCGGATCTGTGCGGGGAGTCCAGCTGTACTTGGGCGCATGA  
 CATGCGCGACCCAGGCTTGTGCTGTGCAAGCAAAAGTGTGCAGATGGAAATATCTGCTGAATCTGCAATGTCA  
 AATATATTAGTGTCTTTGGGTTACAGAGTGTGCAATGCAAGTGCACGCGCAGAGGGGTGTGCAACCAAGAGAA  
 CTGCCACTGCGAGGCCCACTGGGCACTCTCTCTGTGCAAGTTTGGCTTTGGAGGAAGCACAGACGCGGCC  
 CATCGGCAAGCAGAAGCAAGGCAGGAAGCTGCAGAGTCCCAAGGAGGCGCGGCCAGGGCCAGGAGCCCGTGGG  
 ATCGCAGAGCATGCGTCTACTGCTCTACTGACACTCATCTGAGCCCTCCCATGACATGGAGACCGTGAACAGTG  
 CTGCTGCAGAGCAGGTCAACGCTGCCAGGCGCTCTGTGACTGGCAGCATTGACTCTGTGGCTTTGCCATCGTT  
 TCCATGACACACAGACACAACACAGTTCTCGGGGCTCAGGAGGGGAAGTCCAGCTACCAAGGCACTGTGCAGAAA  
 CAGTGCAGGAAGGGCAGCGACTCTCTGGTTGAGCTTCTGTCAAAACATGGACATGCTTCAGTGCTGCTCCTGAG  
 AAGTAGCAGGTTTCACTCTGGCAGGCCAGCCCTGCAGCAAGGAGGAAGAGACTCAAAAGTCTTGGCTTTTC  
 ACTGAGCCTCCACAGCAGTGGGGGAGAGCAAGGGTGGGCGCAGTGTCCCTTTCCCCAGTGACACCTCAGCCCT  
 TGGCAGCCCTGATGACTGGTCTCTGGCTGCAACTTAATGCTCTGATATGGCTTTTACGATTTATTATATGAAAAAT  
 AGCAGGGTTTATGTTTAAATTTATCAGAGACCTGCCACCACTCCATCTCCATCCAAGCAAACTGAATGGCAA  
 TGAACCAAACTGGAAGAAGGTGAGGAAGGCGGCTGAACTCTGGCTCTTTGTGTGGACATGCTGTGACAGC  
 AGTACTCAGGTTTGAAGGTTTCAGAAAGCCAGGGAAACCCACAGAGTCACCAACCTTCTATTAAACAAGTAAGAA  
 GTTTAAAAAGTGAAGAACATGTGAAGAGCCTTAATCCATCCCCGCGGCCATTACTGCATAAAATAGAGTCAATT  
 GAAT

0978295.101501

## FIGURE 30

></usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA49624

><subunit 1 of 1, 735 aa, 1 stop

><MW: 80177, pI: 7.08, NX(S/T): 5

MAARPLPVS PARALLLALAGALLAPCEARGVSLWNQGRADEVVSASVRSGLWIPVKSFDSK  
NHPEVLNIRLQRESKELIINLERNEGLIASSFTETHYLQDGTDVSLARNYTGHCYYHGHVRG  
YSDSAVSLSTCSGLRGLIVFENESVLEPMKSATNRYKLFPAKKLKSVRGSCGSHHNTPNLA  
AKNVFPPPSQTWARRHKRETLKATKYVELVIVADNREFQRQKDLKVKQRLIEIANHVDKF  
YRPLNIRIVLVGVEVWMDKCSVSQDPFTSLHEFLDWRKMKLLPRKSHDNAQLVSGVYFQG  
TTIGMAPIMSMCTADQSGGIVMDHSDNPLGAAVTLAHELGHNFNMHDTLDRGCSQMAVEK  
GGCINNASTGYPFPMVFSSCSRKDLETSLEKGMGVCLFNLPEVRESFGGQKCGNRFVEEGEE  
CDCGEPEECMNRCNATCTLKPDCAVCAHGLCCEDCQLKPAGTACRDSNSCDLPEFCTGAS  
PHCPANVYLHDGHSCQDVGICYNGICQTHEQQCVTLWGPGAKPAPGICFERVNSAGDPYGN  
CGKVSKSSFAKCEMRDAKCGKIQCGGASRPVIGTNAVSIETNIPLQQGGRILCRGTHVYLG  
DDMPDPGLVLAGTKCADGKICLNRCQNI SVFGVHECAMQCHRGVGCNNRKNCHCEAHWAPP  
FCDKFGFGGSTDSGPIRQAEARQEAAESNRERGGQEPVGSQEHASTLTI

**Signal peptide:**

amino acids 1-28

00073036.1.5073036.1